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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In the application of ) Group Art Unit: 1646  
Nicholas C. NICHOLAIDES et al. ) Examiner: To be assigned  
Serial No. 09/749,601 ) Atty Dkt No: 01107.00069  
Filed: December 28, 2000

For: **A METHOD FOR GENERATING HYPERMUTABLE PLANTS**

**PRELIMINARY AMENDMENT and RESPONSE TO NOTICE TO FILE  
MISSING PARTS**

Assistant Commissioner for Patents and Trademarks  
Washington, DC 20231  
**Attn: BOX MISSING PARTS**

Dear Sir:

In response to the Notice To File Missing Parts of Non Provisional Application mailed March 9, 2001, Applicant wishes to amend the application as follows:

**IN THE SPECIFICATION**

At page 5, replace paragraph 1 with the following:

Fig. 1. Alignment of the *Arabidopsis thaliana* and human PMS2 cDNAs (SEQ ID NO: 4 and 3, respectively).

At page 5, replace paragraph 2 with the following:

Fig. 2. Alignment of the *Arabidopsis thaliana* and human PMS2 proteins (SEQ ID NO: 12 and 11, respectively).

At page 5, replace paragraph 3 with the following:

Fig. 3. Alignment of the *Arabidopsis thaliana* MLH1 homolog and the human PMS2 proteins (SEQ ID NO: 9 and 11, respectively).

At page 5, replace paragraph 4 with the following:

Fig. 4. Alignment of the *Arabidopsis thaliana* PMS1 homolog and the human PMS2 proteins (SEQ ID NO: 10 and 11, respectively).

At page 5, replace paragraph 6 with the following:

Fig. 6. Alignment of the *Arabidopsis thaliana* PMS134 and the human PMS134 Cdna (SEQ ID NO: 6 and 5, respectively).

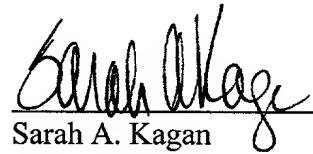
At page 5, replace paragraph 7 with the following:

Fig. 7. Alignment of the *Arabidopsis thaliana* PMS134 and the human PMS134 polypeptides (SEQ ID NO: 14 and 13, respectively).

### Remarks

Applicants submit herewith a CRF of the Sequence Listing filed as part of the original application. The content of the paper and CRF versions are believed to be identical.

Respectfully submitted,

  
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Dated: June 1, 2001

## APPENDIX SHOWING MARK-UPS

Fig. 1. Alignment of the *Arabidopsis thaliana* and human PMS2 cDNAs (SEQ ID NO: 4 and 3, respectively).

Fig. 2. Alignment of the *Arabidopsis thaliana* and human PMS2 proteins (SEQ ID NO: 12 and 11, respectively).

Fig. 3. Alignment of the *Arabidopsis thaliana* MLH1 homolog and the human PMS2 proteins (SEQ ID NO: 9 and 11, respectively).

Fig. 4. Alignment of the *Arabidopsis thaliana* PMS1 homolog and the human PMS2 proteins (SEQ ID NO: 10 and 11, respectively).

Fig. 6. Alignment of the *Arabidopsis thaliana* PMS134 and the human PMS134 Cdna (SEQ ID NO: 6 and 5, respectively).

Fig. 7. Alignment of the *Arabidopsis thaliana* PMS134 and the human PMS134 polypeptides (SEQ ID NO: 14 and 13, respectively).